

1 Amendments to the Abstract

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3 Please cancel the previous abstract on page 38 and replace the  
4 abstract with the following rewritten abstract.

5  
6 Abstract of the Disclosure

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8 Data aided carrier phase and symbol timing synchronizers are  
9 implemented at baseband as digital modulators isolating input  
10 signal inphase and quadrature component signals fed into inphase  
11 and quadrature Laurent transforms that function as data detector to  
12 provide odd and even data bit multiplexed output data signal while  
13 cross coupling the inphase and quadrature transformed outputs for  
14 removing data modulation in error signals to correct phase errors  
15 and timing errors in the received signal so as to provide reliable  
16 data demodulation of noisy received signals having dynamic carrier  
17 phase and symbol timing errors as found in continuous phase  
18 modulation communications systems such as Gaussian minimum shift  
19 keying communications systems.

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